CCR No. 98-0262	Logged Date 3/2/98	Rev. —	Request Type CCR
Priority Routine ☐ Urgent ☒ Emergency ☒		Affected Release	Change Class /N/

Title (description)
Imternational Math and Statistics Library Port to IRIX 6.2, N32-bit.

Documents Affected	Source Nos (RID, NCR, Action Item, GSFC CCR, etc.) or Tech Reference
	SDP Toolkit Requirements Specification for the ECS Project
	SDP Toolkit Users Guide for the ECS Project

RTM Change ☐   Start New ☐ Baseline

Problem
The SDP toolkit is required to provide math and statistics libraries to EOS instrument team developers. IMSL, a product of Visual Numerics, Inc. was chosen as the COTS to fulfill the requirment.

Instrument team code must run on ECS science processors. Release B.0 of ECS will use SGI Irix 6.2 or 6.4 operating systems. Theseoperating systems include the new 32-bit mode. Visual Numerics ha no current plan to port IMSL C and FORTRAN libraries to the new-32 bit mode. Instrument teams (MISR and MODIS) need the port as soon as possible in order to develop their launch-ready software. .

Proposed Solution
EDS has obtained the source for C and FORTRAN IMSL libraries. The source code needs to be installed in the development environment. Binary executables for n-32 bit mode need to be installed on relbsgi. Note that old 32-bit and 64 bit binaries are already installed on relbsgi.

Revision (3/2/98): Install new 32 IMSL libraries on Comanche (EDF) and on Lasher (mini-DAAC). (relbsgi no longer exists)

NEED DATE: 3/4/98

Impact Analysis:
Organizations Affected:

BOO ☐	Contracts ☐	ECS Chief Eng ☐	FOS ☐	M&O ☒
Procurement ☐	OO ☒	Rel. Dev ☐	Rel. A ☐	Rel. B ☒	SCDO Arch. ☐
Science Off ☐	Security ☐	Subcontrct ☐	Sys. Eng ☐	Sys Verf Acpt ☐	

Cost:

None ☐	Small ☒	Medium ☐	Large ☐
	(Not exceeding $100,000)	($100,000 to $500,000)	(Over $500,000)

Schedule: None ☐   Other

Additional LOC _____   Man-Months 4

Materials

Originator Larry Klein	Signature	Date 3/2/98
Office SDE Office Manager	Signature	Date 3/2/98

Disposition   Approved ☐   Approved w/Comment ☒   Forward ☐   Disapproved ☐

Comments: Checks to see that this CI is in the baseline. If OK, install

CCB Chairperson ___Karl Peal___   Date 3 mm 98